

Abstract

"Process for the treatment of the circulating water in painting booths"

A process for the treatment of the circulating water in painting booths, wherein the
5 paint particles are dispersed by addition of dispersants which are selected from:
(a) homo- and co-polymers based on maleic acid, acrylic acid and/or methacrylic
acid having molecular weights of between 2,500 and 500,000;
(b) non-ionic surfactants;
(c) anionic surfactants, no polyaspartic acid being additionally added to the
10 circulating water in this case;
(d) inorganic or non-polymeric organic complexing agents and mixtures thereof;
and the total concentration thereof is between 0.01 and 2.0 wt. % based on the
circulating water; and a process for the treatment of the circulating water in painting
booths, wherein the circulating water has a hardness of at least 2° German hardness
15 and wherein the paint particles are dispersed by addition of dispersants in a
concentration between 0.01 and 2.0 wt. % based on the circulating water in such a
way that they exhibit an average particle size, which may be determined by means
of laser diffraction, of below 20 μm .

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